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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/718,829	11/21/2003	Frantisek Gasparik	LSI.85US01 (03-0642)	1332
24319	7590	11/23/2005	EXAMINER	
LSI LOGIC CORPORATION 1621 BARBER LANE MS: D-106 MILPITAS, CA 95035			TAT, BINH C	
			ART UNIT	PAPER NUMBER
			2825	

DATE MAILED: 11/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/718,829

Applicant(s)

GASPARIK ET AL.

Examiner

Binh C. Tat

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 November 2003.
2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-6 is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☒ The drawing(s) filed on 21 November 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. This office action is in response to application 10/718829 filed on 11/21/03.

Claims 1-6 remain pending in the application.

Claim Objections

Claim 2 objected to because of the following informalities: claim should be ended by “.”

Not “;”. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Miller et al. (U.S. Patent 6539531).

3. As to claims 1, and 4 Miller et al. teach a method of analyzing the effects of a high frequency transmission system comprising: modeling a high frequency signal source as an ideal voltage source and a resistance and capacitance circuit (see fig 16, and fig 19 col 3 lines 52 to col 4 lines 9 col 13 lines 21 to col 18 lines 58 especially col 17 lines 40 to col 18 lines 28); modeling bond wire connections within said transmission system using an equivalent resistance, capacitance and inductance circuit (see col 13 lines 22-35); modeling an integrated-circuit package in said transmission system using an equivalent resistance, capacitance and inductance circuit (see col 4 lines 10 to col 5 lines 35); modeling a package stub in said transmission system

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as an unterminated transmission line (see col 4 lines 10 to col 5 lines 35 and col 13 lines 22-35); and selecting a package trace such that the length of said package stub is sufficiently short so that transmission line effects of said package stub occur at a frequency higher than the highest-expected frequency used by said package trace (see fig 16, and fig 19 col 3 lines 52 to col 5 lines 9 and col 13 lines 21 to col 18 lines 58 especially col 17 lines 40 to col 18 lines 28).

4. As to claims 2, and 5 Miller et al. teach further comprising: modeling a trace wire of a printed circuit board in said transmission system using an equivalent resistance, capacitance and inductance circuit (see col 13 lines 22-35).

5. As to claims 3, and 6 Miller et al. teach further comprising: modeling a printed circuit board stub as an unterminated transmission line (see col 13 lines 22-35); and selecting a printed circuit board trace such that the length of said printed circuit board stub is sufficiently short so that transmission line effects of said package stub occur at a frequency higher than the highest expected frequency of a signal applied to said trace wire (see fig 16, and fig 19 col 3 lines 52 to col 5 lines 9 and col 13 lines 21 to col 18 lines 58 especially col 17 lines 40 to col 18 lines 28).

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Binh C. Tat whose telephone number is (571) 272-1908. The examiner can normally be reached on 7:30 - 4:00 (M-F).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mathew Smith can be reached on (571) 272-1907. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Binh Tat
Art unit 2825
November 14, 2005

Aluando
THUAN DD
Primary examiner.
11/21/05-